

PRINTER RUSH

(PTO ASSISTANCE)

Application : 10/602876

Examiner : Flood

GAU : 1654

From: MWO

Location: IDC FMF FDC

Date: 8/8/05

Tracking #: 06123102 Week Date: 7/11/05

DOC CODE	DOC DATE	MISCELLANEOUS
<input checked="" type="checkbox"/> 1449	<u>11/30/04</u>	<input type="checkbox"/> Continuing Data
<input type="checkbox"/> IDS		<input type="checkbox"/> Foreign Priority
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[RUSH] MESSAGE:

① Document #'s '5,073,545' & '6,066,312' have 'Lien Cooperation' listed under the name of applicant, as opposed to the needed inventor's name. Please provide this necessary information or line through citations. Thanks

[XRUSH] RESPONSE:

It is the printer's responsibility to look up this information on the USPTO website. I have done it for you this time only. You weren't bothered by the lack of Patentee names for 5,145,781 and 6,124,268 for some reason. I have entered Patentee names on attached copy of PTO 1449 and have printed out the Front page of each of the four patents from the USPTO website

INITIALS: DSO

NOTE: This form will be included as part of the official USPTO record, with the Response document coded as XRUSH.

REV 10/04

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number	Unassigned
Filing Date	June 25, 2003
First Named Inventor	Ratan K. Chaudhuri et al.
Group Art Unit	1854
Examiner Name	Michele C. Flood
Attorney Docket Number	EMI-45 D1

Sheet	1	of	2
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[illegible][illegible]

Michael C. Flood

11/23/2004

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

United States Patent [19]

Arima et al.

[11] Patent Number: 5,073,545

[45] Date of Patent: Dec. 17, 1991

[54] AGENT CONTAINING AN ELLAGIC ACID
SERIES COMPOUND FOR EXTERNAL
APPLICATION AND USE THEREOF

[75] Inventors: Masatoshi Arima, Odawara; Hiroaki
Nishizawa, Fujisawa; Keiji Takeuchi,
Tokyo; Hiroshi Deura, Yotsukaidou;
Keiichi Ishida, Tokyo, all of Japan

[73] Assignee: Lion Corporation, Tokyo, Japan

[21] Appl. No.: 202,321

[22] Filed: Jun. 6, 1988

[30] Foreign Application Priority Data

Jun. 9, 1987 [JP] Japan 62-143507
Mar. 24, 1988 [JP] Japan 63-70396

[51] Int. Cl.³ A61K 31/70; A01N 43/16

[52] U.S. Cl. 514/27; 514/53;
514/453; 424/195.1

[58] Field of Search 549/278; 536/4.1, 18.1;
514/25, 27, 53, 453; 424/195.1

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1977, No. 164237e.

Chemical Abstracts, vol. 103, No. 7, Aug. 19, 1985, p.
464, No. 52695v, Columbus, Ohio, U.S.; M. K. Quinn et
al.: "Isolation and identification of ellagitannins from

white oak wood and an estimation of their roles in
wine".

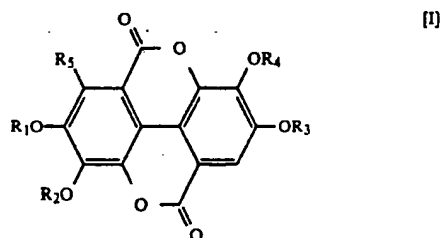
Primary Examiner—Johnnie R. Brown

Assistant Examiner—Elli Peselov

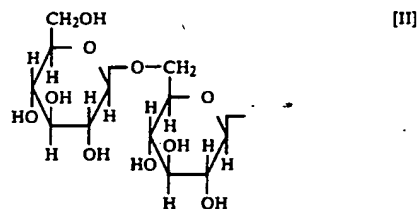
Attorney, Agent, or Firm—Burns, Doane, Swecker &
Mathis

[57] ABSTRACT

Agents for external application contain as an effective
component ellagic acid series compounds represented
by the general formula [I] or salts thereof:



wherein R₁ to R₄ are a hydrogen atom, an alkyl group
having 1 to 20 carbon atoms, an alkoxy group having 1
to 20 carbon atoms, a polyalkylene oxide residue where
the alkylene oxide unit has 2 to 3 carbon atoms, or a
sugar residue represented by the formula [II]:



and R₅ is a hydrogen atom, a hydroxyl group or an
alkoxy group having 1 to 8 carbon atoms.

10 Claims, No Drawings



US006066312A

United States Patent [19]

Egawa et al.

[11] **Patent Number:** **6,066,312**[45] **Date of Patent:** **May 23, 2000**

[54] **TOPICAL COMPOSITION FOR APPLICATION TO THE SKIN CONTAINING AN ELLAGIC ACID-BASED COMPOUND OR SALT THEREOF**

[75] **Inventors:** Makoto Egawa; Yukiko Marui, both of Tokyo, Japan

[73] **Assignee:** Lion Corporation, Japan

[21] **Appl. No.:** 08/893,648

[22] **Filed:** Jul. 11, 1997

[30] **Foreign Application Priority Data**

Jul. 16, 1996 [JP] Japan 8-205405

[51] **Int. Cl.⁷** **A61K 7/48**

[52] **U.S. Cl.** **424/62; 424/401; 424/489; 514/844**

[58] **Field of Search** **424/401, 489, 424/62; 514/844**

[56] **References Cited**

U.S. PATENT DOCUMENTS

5,073,545 12/1991 Arima et al. .

5,141,741 8/1992 Ishida et al. .

Primary Examiner—Thurman K. Page

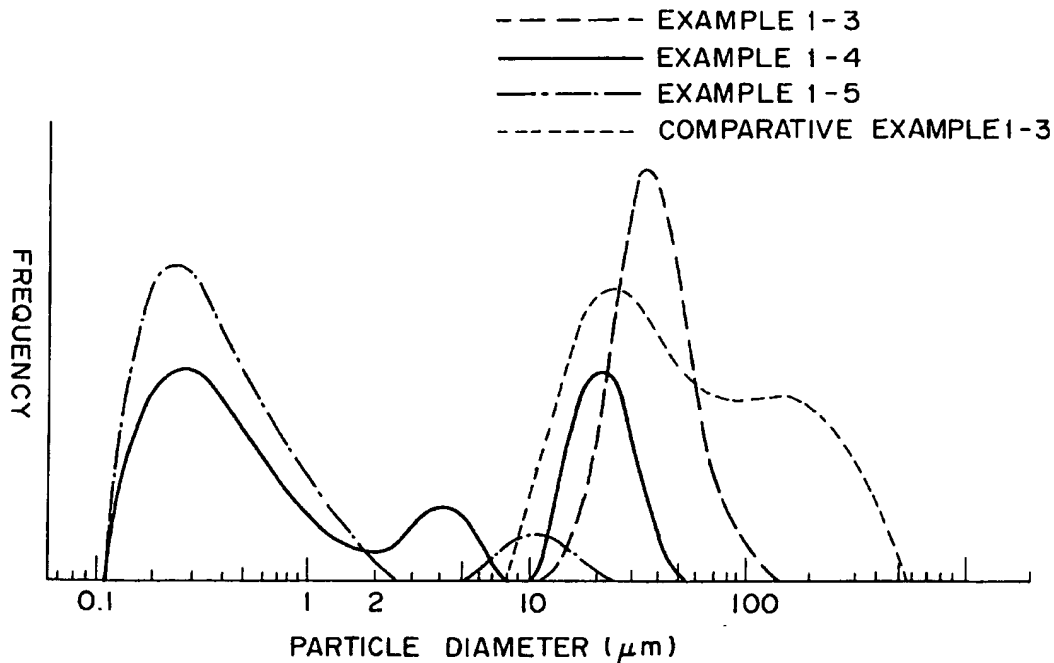
Assistant Examiner—Brian K. Seidleck

Attorney, Agent, or Firm—Lorusso & Loud

[57] **ABSTRACT**

A composition for external application having excellent percutaneous absorption property and skin-lightening and whitening effects, is disclosed, which composition comprises at least one particulate material selected from specific ellagic acid-based compound and an alkali metal salt of the ellagic acid-based compound, wherein the particulate material has an average particle diameter of not more than 50 μm and contains particles having a particle diameter of not more than 70 μm in an amount of not less than 70% by weight based on the weight of the particulate material.

8 Claims, 1 Drawing Sheet





US005145781A

United States Patent [19]

Suzuki et al.

[11] **Patent Number:** 5,145,781[45] **Date of Patent:** Sep. 8, 1992[54] **PREPARATION AND USES OF
ALPHA-GLYCOSYL RUTIN**[75] **Inventors:** Yukio Suzuki; Kei Suzuki; Masaru Yoneyama; Hiromi Hijiya; Toshio Miyake, all of Okayama, Japan[73] **Assignee:** Kabushiki Kaisha Hayashibara Seibutsu Kagaku Kenkyujo, Okayama, Japan[21] **Appl. No.:** 489,566[22] **Filed:** Mar. 7, 1990[30] **Foreign Application Priority Data**

Mar. 8, 1989 [JP]	Japan	1-57299
Apr. 15, 1989 [JP]	Japan	1-95999
Jun. 6, 1989 [JP]	Japan	1-142205
Aug. 24, 1989 [JP]	Japan	1-217893

[51] **Int. Cl.⁵** C12P 19/14; C12P 19/20;
C12P 19/18; C12P 19/44[52] **U.S. Cl.** 435/99; 435/74;
435/96; 435/97; 536/8; 536/124; 426/541;
426/658; 514/26; 514/844; 514/777; 252/397;
252/363.5[58] **Field of Search** 435/99, 96, 97, 74;
536/8, 124[56] **References Cited****U.S. PATENT DOCUMENTS**

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"Water Soluble Derivatives of Vitamin P," Japanese Patents Report, sec. CH, vol. 79, No. 42, Nov. 16, 1979, p. J7-B (Japanese Patent J79-032073).

"Preparation of Glycosyl Vitamins," *Chemical Abstracts*, vol. 96, No. 24, Jun. 14, 1982, p. 379, Abstract No. 205 400j (Japanese Patent J81-156,299)."Flavonoids as Drugs", *Chemical Abstracts*, vol. 97, No. 7, Aug. 16, 1982, p. 518, Abstract No. 54 317e.*Primary Examiner*—Ronald W. Griffin*Assistant Examiner*—Pamela S. Webber*Attorney, Agent, or Firm*—Browdy and Neimark[57] **ABSTRACT**

Alpha-glycosyl rutin is formed at a high concentration by allowing a saccharide-transferring enzyme to act on a high-rutin content liquid in suspension or solution to effect saccharide-transfer reaction. The resultant alpha-glycosyl rutin is easily recovered from the reaction mixture by allowing it to contact with a synthetic macroreticular resin. Alpha-glycosyl rutin is superior in water-solubility, resistance to light and stability to intact rutin, as well as having the physiological activities as intact rutin has. Thus, alpha-glycosyl rutin is favorably usable as a yellow coloring agent, antioxidant, stabilizer, fading-preventing agent, quality-improving agent, preventive, remedy, uv-absorbent and deterioration-preventing agent in foods, beverages, tobaccos, cigarettes, feeds, pet foods, pharmaceuticals for susceptible diseases, cosmetics including skin-refining agent and skin-whitening agent, and plastics, in addition to the use in vitamin P-enriching agents.

23 Claims, No Drawings



US006124268A

United States Patent [19]
Ghosal

[11] **Patent Number:** **6,124,268**
[45] **Date of Patent:** **Sep. 26, 2000**

[54] **NATURAL ANTIOXIDANT COMPOSITIONS,
METHOD FOR OBTAINING SAME AND
COSMETIC, PHARMACEUTICAL AND
NUTRITIONAL FORMULATIONS THEREOF**

[75] **Inventor:** **Shibnath Ghosal, Varanasi, India**

[73] **Assignee:** **Natreon Inc., Highland Park, N.J.**

[21] **Appl. No.:** **09/251,917**

[22] **Filed:** **Feb. 17, 1999**

[51] **Int. Cl.⁷** **A01N 65/00**

[52] **U.S. Cl.** **514/27; 514/25; 424/401;
424/439; 424/440; 424/195.1**

[58] **Field of Search** **424/401, 439,
424/440, 195.1; 514/25, 27**

[56] **References Cited
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"Active Constituents of *Emblica officinalis*: Part 1—The Chemistry and Antioxidative Effects of Two New Hydrolysable Tannins, Emblicanin A and B", Shibnath Ghosal et al. *Indian Journal of Chemistry* vol. 35B, Sep. 1996, pp. 941-948.

Primary Examiner—Frederick Krass
Attorney, Agent, or Firm—Walter Katz

[57] **ABSTRACT**

A natural antioxidant blend in the form of an amorphous powder was obtained by extraction from *Emblica officinalis* fruit. In this process, the finely pulped fruit was treated with a dilute aqueous salt solution at hot water temperature to provide an extract-containing solution, which was filtered and dried to provide the desired antioxidant blend powder. Cosmetic, pharmaceutical and nutritional use formulations thereof also are described.

13 Claims, No Drawings